

***FlyBy Math™* Alignment**
2005 Connecticut Mathematics Curriculum Framework

1. ALGEBRAIC REASONING: PATTERNS AND FUNCTIONS: Patterns and functional relationships can be represented and analyzed using a variety of strategies, tools and technologies.

How do patterns and functions help us describe data and physical phenomena and solve a variety of problems?

1.2 Represent and analyze quantitative relationships in a variety of ways.

Performance Standards and Expectations

a. Relate the behavior of functions and relations to specific parameters and determine functions to model real-world situations.

(2) Recognize the effect of changes in parameters on the graphs of functions or relations.

***FlyBy Math™* Activities**

--Use tables, bar graphs, line graphs, a Cartesian coordinate system, and equations to model aircraft conflicts and predict outcomes.

--Interpret the slope of a line in the context of a distance-rate-time problem.

--Use graphs to compare airspace scenarios for both the same and different starting conditions and the same and different constant (fixed) rates.